September 5, 1978 Memo to File: Re: Kennecott Copper Corp. Bingham Mine Salt Lake County, Utah ACT/035/002 On August 7, 1978 Ron Daniels, Mike Minder, and Jim Smith were given a tour of Kennecott's revegetation efforts in the pit area by Ms. Pam Grubaugh. The Copper Notch test area was planted in April 1978 and shows a 63% survival rate. The soil had an approximate pH of 5 with the only treatment being scarification. Tube pak plantings appeared to be doing better than the bare root plantings. The Midas area was divided into two test plots and was planted in April 1976. One area had no soil amendments, only scarification, and showed a very limited success. The second area was treated with lime at a rate of 100 tons per acre and indicated a better success rate. A list of species planted in 1978 and an inventory table for the test areas was also given to the Division. JAMES W. SMITH JR. RECLAMATION SOILS SPECIALIST JWS/sp 0001

INVENTORY TABLE

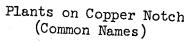
Test Plots on Midas Dump

Date of Inventory	Limed Area	Unlimed Area	Combined
April 1976 (planted)	1,687 plants	785 plants	2,472 plants.
July 14, 1976	914 (54%)	341 (43%)	1,255 (51%)
June 23, 1977	810 (48%)	223 (28%)	1,033 (42%)
July 25, 1978	723 (43%)	156 (20%)	879 (35%)

Originally, the areas in both test plots were divided into irrigated and non-irrigated areas. However, none of the areas have been irrigated since April 1976.

Test Plots on Copper Notch

Date of Inventory	Containerized Plants	Bare Roots	Combined
April 12, 1978 (planted)	1,072 plants	1,167 plants	2,239 plants
July 25, 1978 (inventory)	858 (80%)	551 (47%)	1,409 (63%)



Planted April 1978

TABLE II

KCC
BINGHAM
MINE
NOT/035/002

- 2. Big Sage
- 3. Wild Rose
- 4. Russion Olive
- 5. Ephedra (Mormon Tea)
- 6. Snowberry
- 7. Sand Sage Brush
- 8. Stansbury Cliff Rese
- 9. Siberian Pea Shrub
- 10. Douglas Hawthorne
- 11. Peking Cotoneaster
- 12. Serviceberry
- 13. Fringed Sage
- 14. Antelope Bitterbrush
- 15. Tatarian Honeysuckle
- 16. Indigo Bush
- 17. Saskatoon Serviceberry
- 18. Rocky Mountain Sumac
- 19. Squaw Apple
- 20. Cream Bush

21.	Chokecherry
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- 22. Nine Bark
- 23. Nevada Ephedra
- 24. Blue Elder
- 25. Desert Bitterbrush
- 26. Snowbrush
- 27. Plum Cherry
- 28. Cliff Rose
- 29. Sweet Vetch
- 30. Bush Penstomon
- 31. Squaw Carpet
- 32. Deer Bush
- 33. Desert True
- 34. Siberian Pea Shrub
- 35. Buck Bush
- 36. Peach Bush
- 37. Globe Mallow
- 38. Curvistamineum
- 39. Erigoneum Wyeth